

# IDAHO DEPARTMENT OF FISH & GAME

Jerry M. Conley, Director

FEDERAL AID TO FISH AND WILDLIFE RESTORATION Job Performance Report

Project No. F-73-R-4

SUBPROJECT II: SALMON AND STEELHEAD INVESTIGATIONS



Study I: Estimates of the 1981 Harvest of Salmon and Steelhead (Survey)

Period Covered: 1 March 1981-28 February 1982 by

Herbert A. Pollard, II  
Anadromous Fishery Coordinator

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## JOB PERFORMANCE REPORT

State of Idaho

Name: SALMON AND STEELHEAD  
INVESTIGATIONS

Project No. F-73-R-4

Title: Estimates of the 1981  
Harvest of Salmon and  
Steelhead (Survey

Subproject No. II

Study I

Period Covered: 1 March 1981-28 February 1982

### ABSTRACT

The run of chinook salmon to Idaho in 1981 was below spawning and fishery requirements; therefore, no fishing season was provided.

In the steelhead fishery, an estimated 19,072 anglers fished 98,500 days and caught 12,948 steelhead.

Author:

Herbert A. Pollard, II  
Anadromous Fishery Coordinator

## **RECOMMENDATIONS**

Continue the annual survey of salmon and steelhead harvest.

## **OBJECTIVES**

To estimate the 1981 salmon and steelhead harvest in Idaho.

## **TECHNIQUES USED**

### **Salmon Catch Survey**

The spring chinook salmon run to Idaho in 1981 totalled only 13,642 fish counted over Lower Granite Dam. This total is approximately twice as large as the 1980 run, but is still too low to provide a fishery. Consequently, there was no open-season salmon fishing in 1981.

### **Steelhead Catch Survey**

In the spring of 1981, the steelhead fishery was open on the Clearwater River downstream from Orofino, the Snake River from Hells Canyon Dam to Dug Bar, and the Salmon River downstream from the East Fork. On all open waters, the daily bag and possession limit was two steelhead, with a total of six steelhead allowed in the season. The seasons opened on 17 January and closed between 15 March and 12 April (Fig. 1).

During the fall 1981 season, only catch-and-release fishing was allowed on the Clearwater River because there did not appear to be either wild or hatchery fish surplus to spawning needs. The Salmon River below the East Fork was open from 19 September through 31 December, with limits of two fish per day, two in possession, and eight for the season downstream from the Middle Fork, and two per day, four in possession, and eight for the season upstream from the Middle Fork. The differential possession limit was intended to reduce harvest of wild steelhead returning to the Middle Fork and encourage harvest of hatchery fish returning to Pahsimeroi Hatchery. Consumptive fisheries were open on the Snake River upstream from Dug Bar and, with a reduced limit, between Lewiston and Lime Point (Fig. 2). The Snake River remained closed between Lime Point and Dug Bar to reduce harvest on steel-head returning to the Imnaha and Grande Ronde rivers.

# IDAHO 1981 SPRING

## Steelhead Seasons and Regulations

### — SEASONS —

The following waters are open to fishing for steelhead for the periods listed beginning January 17, 1981 (all dates are inclusive). Waters not specifically designated below shall remain CLOSED to fishing for steelhead.

**CLEARWATER RIVER** — including Clearwater River arm of Lower Granite Reservoir upstream to the Clearwater River bridge at Orofino, January 17 through April 12, (EXCEPT that fishing from the shoreline along the perimeter of Dworshak National Fish Hatchery is CLOSED FOR ALL SPECIES.

**CLEARWATER RIVER, NORTH FORK** — from Ahsahka highway bridge upstream to 300 feet below Dworshak Dam and the west shoreline between the mouth and Ahsahka highway bridge OPEN to fishing for steelhead January 17 through April 12. Boat fishing prohibited between the mouth and Ahsahka highway bridge. Shoreline along the perimeter of Dworshak National Fish Hatchery CLOSED FOR ALL SPECIES.

**SNAKE RIVER** — from Dug Bar (approximately 8 miles upstream from the mouth of the Salmon River) upstream to 400 feet below Hells Canyon Dam, January 17 through April 12.

**SALMON RIVER** — from its mouth upstream to Mackay Bar bridge, January 17 through March 15.

From Mackay Bar bridge upstream to 400 yards downstream from the mouth of the Pahsimeroi River, January 17 through March 29.

From 400 yards downstream from the mouth of the Pahsimeroi River to 100 yards upstream from the mouth of the Pahsimeroi River — CLOSED.

From 100 yards upstream from the mouth of the Pahsimeroi River to the mouth of the East Fork of the Salmon River, January 17, through April 12.

### — LIMITS —

<i>Daily bag limit</i> .....	<i>Two steelhead</i>
<i>Possession limit</i> .....	<i>Two steelhead</i>
<i>Season limit</i> .....	<i>Six steelhead</i>

**NOTE:** The combined limit for any individual angler who may fish the Clearwater, Salmon and Snake Rivers shall not exceed two steelhead per day or in possession or six steelhead during the spring 1981 season.

Figure 1. Spring 1981 steelhead seasons and limits.

# IDAHO 1981

## Fall Steelhead Trout

### Seasons and Regulations

#### SEASONS

The following waters are open to fishing for steelhead during the periods listed. Waters not specifically designated below shall remain CLOSED to fishing for steelhead.

**SALMON RIVER** — From its mouth upstream to the mouth of the East Fork of the Salmon River — September 19 to December 31.

**SNAKE RIVER** — From the Highway 12 Interstate Bridge (connecting Lewiston and Clarkston) upstream to the Three-Mile Inn (Washington shore approximately three miles upstream from Asotin) — September 19 to October 15.

From Three-Mile Inn upstream to 400 feet below Hells Canyon Dam — September 19 to December 31, EXCEPT that the Snake River from Anatone Gauge Station upstream to Lime Point (opposite the navigation warning sign) and from the mouth of the Salmon River upstream to Dug Bar (approximately 8 miles upstream from the mouth of the Salmon River) is CLOSED TO FISHING FOR STEELHEAD.

#### LIMITS

**SALMON RIVER** — From mouth upstream to the mouth of the Middle Fork of the Salmon River (as posted) — 2 per day, 2 in possession, 8 per season.

From the mouth of the Middle Fork of the Salmon River (as posted) upstream to the mouth of the East Fork of the Salmon River — 2 per day, 4 in possession, 8 per season.

**SNAKE RIVER** — From the Highway 12 Interstate Bridge (connecting Lewiston and Clarkston) upstream to the Anatone Gauge Station (cable crossing) and from Lime Point (opposite the navigation warning sign) upstream to the mouth of the Salmon River — 1 per day, 2 in possession, 3 per season.

From Dug Bar upstream to 400 feet below Hells Canyon Dam — 2 per day, 2 in possession, 8 per season.

**NOTE:** Daily bag, possession and season limits for the Snake and Salmon Rivers shall not be construed as cumulative limits allowing an angler to take more than 2 steelhead per day, have more than 4 steelhead in possession, or take more than 8 steelhead during the fall 1981 season.

#### WATERS OPEN TO SPECIAL CATCH-AND-RELEASE SEASON September 19 to December 31

**CLEARWATER RIVER** — Upstream from Memorial Bridge at Lewiston to the mouth of the South Fork Clearwater River at Kooskia, EXCEPT that fishing from the shoreline along the perimeter of Dworshak National Fish Hatchery is CLOSED FOR ALL SPECIES.

**CLEARWATER RIVER, NORTH FORK** — From the mouth upstream to 300 feet below Dworshak Dam, EXCEPT that fishing from the shoreline along the perimeter of Dworshak National Fish Hatchery is CLOSED FOR ALL SPECIES.

**CLEARWATER RIVER, MIDDLE FORK** — From the mouth of the South Fork Clearwater River upstream to the confluence of the Selway and Lochsa Rivers at Lowell.

*The special catch-and-release seasons require that all steelhead caught must be released immediately. Only single hook artificial lures or flies shall be used and hooks shall be barbless or have barbs bent closed.*

Figure 2. Fall 1981 steelhead seasons and limits.

The steelhead catch survey was conducted in a manner similar to past years. The survey began early in 1981 following the expiration of the 1980 calendar year steelhead permits.

We arbitrarily established a random sample of 5,017 (22%) of the 22,640 steelhead permit holders. Questionnaires were sent to permit holders in the sample who had not previously returned their permits to the Department. After approximately one month, a second request for the return of information was sent to nonrespondents, which numbered 2,390. A total of 3,587 usable responses was received from the two mailings.

Recipients of questionnaires were asked to return their permits (Fig. 3) or a duplicate permit provided on the questionnaire (Figs. 4 and 5).

We also asked anglers to record the number of days they fished in each of the major river systems for steelhead. Informational maps were included with the questionnaire to assist anglers in accurately recording river sections from which fish were caught (Fig. 6).

Catches by date, stream residency of angler, and number of days fished were compiled by machine sorting.

## **FINDINGS**

A total of 22,646 steelhead permits were issued in 1981. About 84% of questionnaire respondents indicated they actually had fished for steelhead. Thirty-one percent of anglers who actually fished caught and killed at least one steelhead. The average catch per angler was 0.68 steelhead, but the average successful angler caught 2.2 fish. The total catch is estimated at 12,948 steelhead in 1981 (Table 1).

Anglers reported fishing for an average of 5.13 days per person, and an estimated 98,500 days were spent fishing<sup>9</sup> for steelhead in 1981 (Tables 2 and 3). Fishing pressure by major drainages was: Clearwater River, 23,666 angler days (exclusive of catch-and-release fishing during the fall season); Salmon River, 66,429 angler days; and Snake River, 8,414 angler days (Tables 4, 5, and 6).

Catches estimated by drainages were: Clearwater-1,981; Salmon-10,336; and Snake-625 (Table 7).

Idaho residents took an estimated 10,935 (84.4%) of the total steelhead catch (Table 8).

Issued by \_\_\_\_\_ Vendor No. \_\_\_\_\_

Fishing License Type and No. \_\_\_\_\_

IDAHO DEPARTMENT OF FISH AND GAME  
STEELHEAD TROUT PERMIT

**No. 58-**

This Permit Expires Dec. 31,

ENTER STEELHEAD CATCH BELOW.

(See instructions on reverse side.)

Date	Stream	Section
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

If no steelhead caught, please mark appropriate box before returning permit.

- ☐ DID NOT FISH FOR STEELHEAD TROUT  
☐ FISHED FOR STEELHEAD, CAUGHT NONE

Complete and return this permit to  
IDAHO DEPARTMENT OF FISH AND GAME  
600 South Walnut St., Boise, Idaho 83707

Figure 3. 1981 steelhead permit.

Dear Angler:

We are estimating the number of steelhead trout caught in Idaho in 1981. Your assistance in providing the following information is requested.

If you have already returned your 1981 Steelhead Trout Permit, please ignore this request.

If you have not already done so, please return your 1981 Steelhead Trout Permit in the envelope provided. Also, please take a minute to answer the following questions and return this letter.

How many days did you fish for steelhead in 1981 in these waters?

A. Clearwater River drainage: \_\_\_ days  
B. Salmon River: \_\_\_ days  
C. Snake River: \_\_\_ days

ENTER STEELHEAD CATCH BELOW

If you have lost or wish to keep your permit, please enter your catch information at the right.

DATE	STREAM	SECTION
1.		
2.		
3.		
4.		
5.		
6.		
7.		

If you caught and released steelhead, how many did you release?

Number of steelhead released \_\_\_\_\_.

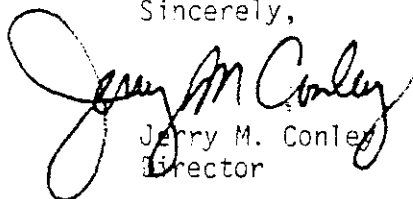
If you caught no steelhead, please mark one box at the right.

☐ I did not fish for steelhead.

☐ I fished, but caught none.

Thank you for your help.

Sincerely,

  
Jerry M. Conley  
Director

• EQUAL OPPORTUNITY EMPLOYER •

Figure 4. Steelhead catch questionnaire for 1981, first request.

Dear Angler:

To date we have not received your answer to our earlier request for the 1981 steelhead catch information. If you have already replied, our letters probably crossed in the mail so please ignore this request.

We are estimating the number of steelhead trout caught in Idaho in 1981. Your assistance in providing the following information is requested.

If you have not already done so, please return your 1981 Steelhead Trout Permit in the envelope provided. Also, please take a minute to answer the following questions and return this letter.

How many days did you fish for steelhead in 1981 in these waters?

A. Clearwater River drainage: \_\_\_\_\_ days  
B. Salmon River: \_\_\_\_\_ days  
C. Snake River: \_\_\_\_\_ days

ENTER STEELHEAD CATCH BELOW

If you have lost or wish to keep your permit, please enter your catch information at the right.

DATE	STREAM	SECTION
1.		
2.		
3.		
4.		
5.		
6.		
7.		

If you caught and released steelhead, how many did you release?

Number of steelhead released \_\_\_\_\_.

If you caught no steelhead, please mark one box at the right.

☐

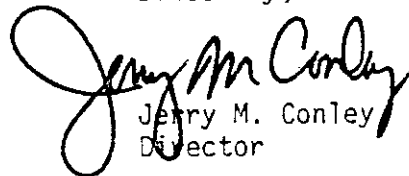
I did not fish for steelhead.

☐

I fished, but caught none.

Thank you for your help.

Sincerely,

  
Jerry M. Conley  
Director

• EQUAL OPPORTUNITY EMPLOYER •

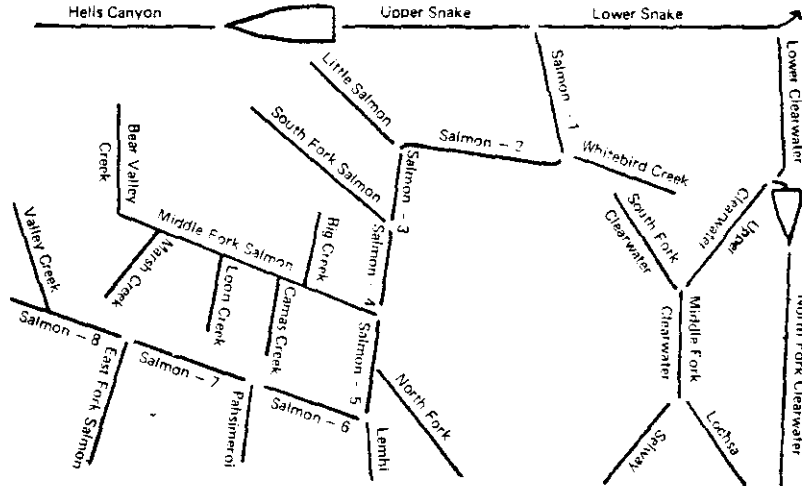
Figure 5. Steelhead catch questionnaire for 1981, second request.

# SALMON AND STEELHEAD CATCH LOCATION

## Reference Map

### Anglers:

Please use this map and the river section description list on the reverse side to record on your permit your salmon and steelhead catches by designated section. Use the river section or tributary name shown on the map. Examples: "Salmon - 5" for catches from main Salmon River between the Middle Fork and Lemhi River; "Salmon - 3" for main river catches between the Little Salmon and South Fork; "Upper Clearwater" for catches between the North Fork and the South Fork. Use tributary names when applicable.



Dear Salmon and Steelhead Angler:

To evaluate the benefits of Idaho's salmon and steelhead program we must estimate the salmon and steelhead sport catch by major river sections and tributaries.

Your cooperation, by recording salmon and steelhead catches by sections and tributaries, is necessary if the evaluation program is to succeed. Please record each fish caught by section listed below.

### River Section Where Caught

### Mark Permit As:

Snake River, Clearwater River to Salmon River ..... Lower Snake  
Snake River, Salmon River to Hell's Canyon Dam ..... Upper Snake

Clearwater River, mouth to North Fork of Clearwater ..... Lower Clearwater  
Clearwater River, North Fork to South Fork of Clearwater ..... Upper Clearwater

Salmon River, Mouth to Whitebird Creek ..... Salmon - 1  
Salmon River, Whitebird Creek to Little Salmon River ..... Salmon - 2  
Salmon River, Little Salmon to South Fork of Salmon ..... Salmon - 3  
Salmon River, South Fork to Middle Fork of Salmon ..... Salmon - 4  
Salmon River, Middle Fork to Lemhi River ..... Salmon - 5  
Salmon River, Lemhi River to Pahsimeroi River ..... Salmon - 6  
Salmon River, Pahsimeroi River to East Fork of Salmon ..... Salmon - 7  
Salmon River, above the East Fork ..... Salmon - 8

Sections listed above refer only to the main stem of each river. Continue to record catches from tributary streams as you have in past years. (Examples: North Fork of Salmon, Lemhi River, Selway River, Marsh Creek, North Fork of Clearwater, etc.)

Thanks again for your cooperation.  
IDAHO DEPARTMENT OF FISH AND GAME  
Jerry M. Conley, Director

Figure 6. Steelhead catch location map.

Table 1. Questionnaire and permit data used to compute Idaho steelhead catch estimates for 1981.

1. 22,646 permits were issued.
2. Random sample size arbitrarily set at 5,017 (22%).
3. 3,598 permittees responded by returning permit and/or questionnaire.
4. 3,587 respondents (16% of permittees) supplied usable information.

Sample sizes and expanded estimates:

<u>Category</u>	<u>Number in sample</u>	<u>Percent of total</u>	<u>Expanded<sup>a</sup> totals</u>
Did not fish	566	15.8	3,573
Fished for steelhead	(3,021)	(84.2)	(19,072)
a. Did not catch	2,078	57.8	13,119
b. Caught steelhead	<u>943</u>	<u>26.4</u>	<u>5,953</u>
Totals	3,587	100.0	22,646
Steelhead caught	2,051	-	12,948
Steelhead per angler	.68	-	-
Steelhead per successful angler	2.175	-	-

<sup>a</sup>

$$\text{Expansion factor: } \frac{\text{Total permittees}}{\text{Usable sample}} = \frac{22,646}{3,587} = 6.3134$$

Table 2. Questionnaire data used to compute fishing pressure for steelhead in 1981.

- 
1. 2,843 respondents reported the number of days fished.
  2. 19,072 permittees are estimated to have actually fished.
  3. Expansion factor  $19,072 \div 2,843 = 6.71$
  4. 14,593 days reported fished by respondents.
  5.  $14,593 \times 6.71 = 98,500$  estimated total days fished.
  6.  $14,593 \div 2,843 = 5.13$  average days fished per angler.
-

Table 3. Estimated statewide fishing effort for steelhead, 1981.

<u>No. of days fished</u>	<u>No. of anglers (expanded)</u>	<u>Total days fished (expanded)</u>
1	2,939	2,939
2	4,791	9,582
3	3,093	9,280
4	1,906	7,623
5	1,483	7,415
6	859	5,153
7	644	4,509
8	564	4,509
9	161	1,449
10	879	8,790
11	107	1,181
12	255	3,060
13	34	436
14	154	2,161
15	255	3,825
16	54	859
17	47	799
18	67	1,208
19	13	255
20	248	4,965
21	13	282
22	40	886
23	20	463
24	27	644
25	54	1,342
26	7	175
28	20	564
30	121	3,623
31	7	208
32	7	215
33	7	221
35	13	470
36	13	483
37	13	497
40	54	2,147
41	7	275
42	7	282
50	20	1,007
52	7	349
53	7	356
60	20	1,208
65	7	436
70	7	470
75	7	503
90	7	604
120	7	805
TOTALS: *	19,070	98,510

\* Columns may not total exactly because of rounding.

Table 4. Estimated fishing effort for steelhead in the Clearwater River drainage, 1981.

<u>No. of days fished</u>	<u>No. of anglers (expanded)</u>	<u>Total days fished (expanded)</u>
1	812	812
2	1,087	2,174
3	758	2,275
4	503	2,013
5	295	1,476
6	221	1,329
7	148	1,033
8	154	1,235
9	47	423
10	295	2,952
11	13	148
12	47	564
13	13	175
14	20	282
15	74	1,107
16	13	215
17	7	114
18	7	121
19	7	128
20	121	2,416
21	7	141
23	7	154
25	20	503
30	27	805
50	13	671
60	7	403
TOTALS: *	4,724	23,666

\*

Columns may not total exactly due to rounding.

Table 5. Estimated fishing effort for steelhead on the Salmon River drainage, 1981.

<u>No. of days fished</u>	<u>No. of anglers (expanded)</u>	<u>Total days fished (expanded)</u>
1	2,268	2,268
2	3,771	7,542
3	2,382	7,146
4	1,389	5,556
5	1,054	5,267
6	544	3,261
7	396	2,771
8	349	2,791
9	74	664
10	584	5,838
11	40	443
12	148	1,771
13	20	262
14	107	1,503
15	201	3,020
16	27	429
17	20	342
18	40	725
19	7	128
20	7	134
20	168	3,355
21	7	141
22	13	295
24	7	161
25	47	1,174
26	7	175
28	7	188
30	94	2,818
33	7	221
36	7	242
37	13	497
40	40	1,610
50	13	671
60	13	805
65	7	436
70	7	470
75	7	503
120	7	805
TOTALS: *	13,896	66,429

\*

Columns may not total exactly due to rounding.

Table 6. Estimated fishing effort for steelhead on the Snake River, 1981.

<u>No. of days fished</u>	<u>No. of anglers (expanded)</u>	<u>Total days fished (expanded)</u>
1	819	819
2	684	1,369
3	289	866
4	141	564
5	128	638
6	74	443
7	47	329
8	47	376
10	94	939
12	13	161
14	7	94
15	40	604
18	7	121
20	13	268
33	7	221
90	7	604
TOTALS:*	2,416	8,414

\* Columns may not total exactly due to rounding.

Table 7. Estimated catch of steelhead by month and stream section, 1981.

Stream	Jan	Feb	Mar	Apr	Sept	Oct	Nov	Dec	Ukn	Total	
Lower Clearwater	233	201	549	107	Catch and release					544	1,634
Upper Clearwater	25	0	50	6						39	120
No. Fk. Clearwater	13	13	70	32						36	164
Clearwater Unknown	0	6	6	19						32	63
Subtotal:	271	220	675	164						651	1,981
Salmon Sec. 1	57	25	13	CS	38	599	328	101	164	1,325	
2	57	25	0	CS	25	385	208	69	120	890	
3	139	120	133	CS	0	593	675	139	133	1,931	
4	25	57	334	CS	38	726	757	32	145	2,114	
5	107	187	480	CS	63	915	1,060	88	353	3,256	
6	13	57	492	CS	0	6	44	25	101	738	
7	0	6	0	19	0	0	6	0	0	32	
Unknown	6	0	0	0	6	38	13	0	6	69	
Subtotal:	404	479	1,452	19	170	3,262	3,091	454	1,022	10,355	
Lower Snake	CS	CS	CS	CS	6	126	196	76	57	461	
Upper Snake	6	6	32	0	0	25	63	6	25	164	
Subtotal	6	6	32	0	6	151	259	82	82	625	
Totals: *	681	705	2,159	183	176	3,413	3,350	536	1,104	12,961	

\*

Columns may not total exactly due to rounding.

Table 8. Catch of steelhead by resident and nonresident anglers,  
1981.

Stream	Resident anglers		Nonresident anglers	
	Number of fish	Percent	Number of fish	Percent
Clearwater drainage	1,477	75	505	25
Salmon River	8,941	86	1,413	14
Snake River	517	83	107	17
Totals	10,935	84	2,026	16

Table 9. Idaho salmon and steelhead catch estimates, 1954-1981.

<u>Year</u>	<u>Chinook salmon catch estimate</u>	<u>Steelhead trout catch estimate</u>
1954	15,000	12,000
1955	19,000	13,000
1956	21,000	8,000
1957	39,000	20,000
1958	24,000	30,000
1959	20,000	31,000
1960	21,000	30,000
1961	13,000	25,000
1962	12,000	19,000
1963	12,000	26,000
1964	8,000	18,000
1965	SEASON CLOSED	20,000
1966	8,500	20,000
1967	6,500	22,500
1968	10,000	23,000
1969	11,500	15,500
1970	5,500	20,500
1971	3,500	17,500
1972	6,500	13,500
1973	9,500	10,500
1974	1,500	3,000
1975	SEASON CLOSED	SEASON CLOSED
1976	SEASON CLOSED	2,000
1977	3,500	13,000
1978	7,000	11,500
1979	SEASON CLOSED	5,500
1980	SEASON CLOSED	9,000
1981	SEASON CLOSED	13,000

Table 10. Estimated steelhead harvest by fish run year, 1972-81 (fish run year is calculated from 1 August to 31 July).

Stream or section	Fish run year								
	1972-73	73-74	74-75	75-76	76-77	77-78	78-79	79-80	80-81
Salmon-1	1,296	-	-	C.S. <sup>a</sup>	627	837	C.S.	340	663
-2	1,345	-	-	C.S.	353	1,039	C.S.	257	512
-3	938	-	-	C.S.	354	1,055	C.S.	342	1,339
-4	1,149	-	-	C.S.	710	1,718	C.S.	548	1,348
-5	1,183	-	-	C.S.	711	2,886	162	1,024	2,670
-6	76	-	-	C.S.	91	130	136	124	679
-7	15	-	-	C.S.	25	12	C.S.	8	25
-8	21	-	-	C.S.	12	40	C.S.	C.S.	C.S.
Salmon unknown	-	-	-	-	-	-	12	168	230
Salmon total	5,963	N/A <sup>b</sup>	N/A	0	2,883	7,717	310	2,811	7,466
S. F. Salmon	61	C.S.	C.S.	C.S.	C.S.	C.S.	C.S.	C.S.	C.S.
M. F. Salmon	27	C.S.	C.S.	C.S.	C.S.	C.S.	C.S.	C.S.	C.S.
Other Salmon tribs.	42	C.S.	C.S.	C.S.	C.S.	C.S.	C.S.	C.S.	C.S.
Lower Clearwater	5,721	-	-	C.S.	C.S.	-	1,921	C.S.	3,523
Upper Clearwater	736	-	-	C.S.	C.S.	-	253	C.S.	156
Clearwater unknown	-	-	-	-	-	-	125	-	217

Table 10 (Continued).

Stream or section	Fish run year								
	1972-73	73-74	74-75	75-76	76-77	77-78	78-79	79-80	80-81
N. F. Clearwater	23	-	-	C.S.	0	-	484	C.S.	256
M. F. Clearwater	118	-	-	C.S.	0	0	C.S.	C.S.	C.S.
Other Clearwater tribs.	<u>10</u>	<u>-</u>	<u>-</u>	<u>C.S.</u>	<u>0</u>	<u>0</u>	<u>C.S.</u>	<u>C.S.</u>	<u>C.S.</u>
Clearwater total	6457	N/A	N/A	0	0	14,157 <sup>b</sup>	2,299	0	4,152
Lower Snake	2,540	-	-	C.S.	96	-	C.S.	17	358
Upper Snake	<u>354</u>	<u>-</u>	<u>-</u>	<u>C.S.</u>	<u>50</u>	<u>-</u>	<u>C.S.</u>	<u>7</u>	<u>100</u>
Total	2,894	N/A	N/A	0	146	-	0	24	458
Unknown streams	219	N/A	N/A	C.S.	66	50	3	4	N/A
State totals	15,814	8,128	726	0	3,095	23,414	3,096	2,911	11,332

a C.S. denotes closed season.

b N/A denotes data not available.

c Includes mainstem Clearwater and North Fork Clearwater.

The 1981 catch was the largest since 1977, and has been exceeded only twice in the past ten years (Table 9). Approximately 80% of the 1981 harvest was taken from the Salmon River. This harvest was predominantly hatchery-reared steelhead returning to the Pahsimeroi Hatchery.



Harvest data by fish-run year are presented in Table 10 for all runs since 1972-73.

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